



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

L. Preston Bryant, Jr.  
Secretary of Natural Resources

NORTHERN VIRGINIA REGIONAL OFFICE  
13901 Crown Court, Woodbridge, Virginia 22193  
(703) 583-3800 Fax (703) 583-3801  
www.deq.virginia.gov

David K. Paylor  
Director

Jeffery A. Steers  
Regional Director

## STATE WATER CONTROL BOARD ENFORCEMENT ACTION

### A SPECIAL ORDER BY CONSENT

### ISSUED TO THE

### KING GEORGE COUNTY SERVICE AUTHORITY

### FOR

### DAHLGREN WASTEWATER TREATMENT PLANT

(VPDES Permit No. VA0026514)

### OAKLAND PARK WASTEWATER TREATMENT PLANT

(VPDES Permit No. VA0086789)

### PURKINS CORNER WASTEWATER TREATMENT PLANT

(VPDES Permit No. VA0070106)

#### SECTION A: Purpose

This is a Consent Special Order issued under the authority of Va. Code § 62.1-44.15 (8a and 8d) and 10.1-1185 between the State Water Control Board and the King George County Service Authority, owner of the Dahlgren Wastewater Treatment Plant, the Oakland Park Wastewater Treatment Plant, and the Purkins Corner Wastewater Treatment Plant, for the purpose of resolving certain violations of environmental laws and regulations.

#### SECTION B: Definitions

Unless the context indicates otherwise, the following words and terms have the meaning assigned to them below:

1. "Va. Code" means the Code of Virginia (1950), as amended.
2. "Board" means the State Water Control Board, a permanent citizens' board of the Commonwealth of Virginia as described in Va. Code §§ 10.1-1184 and 62.1-44.7.

3. "Department" or "DEQ" means the Department of Environmental Quality, an agency of the Commonwealth of Virginia as described in Va. Code § 10.1-1183.
4. "Director" means the Director of the Department of Environmental Quality.
5. "Order" means this document, also known as a Consent Special Order.
6. "KGCSA" or "County" means the King George County Service Authority, owner of the Dahlgren Wastewater Treatment Plant, the Oakland Park Wastewater Treatment Plant, and the Purkins Corner Wastewater Treatment Plant.
7. "Dahlgren Facility" means the Dahlgren Wastewater Treatment Plant located in Dahlgren, Virginia.
8. "Oakland Park Facility" means the Oakland Park Wastewater Treatment Plant located in King George, Virginia.
9. "Purkins Corner Facility" means the Purkins Corner Wastewater Treatment Plant located in King George, Virginia.
10. "NVRO" means the Northern Virginia Regional Office of DEQ, located in Woodbridge, Virginia.
11. "Dahlgren Permit" means Virginia Pollutant Discharge Elimination System (VPDES) Permit No. VA0026514, which became effective March 12, 2003 and expires March 11, 2008.
12. "Oakland Park Permit" means VPDES Permit No. VA0086789, which became effective April 21, 2002 and expires April 21, 2007.
13. "Purkins Corner Permit" means VPDES Permit No. VA0070106, which became effective January 28, 2002 and expires January 28, 2007.
14. "WWTP" means Wastewater Treatment Plant.

### **SECTION C: Findings of Fact and Conclusions of Law**

#### **Dahlgren WWTP**

1. Pursuant to the Dahlgren Permit, the Dahlgren WWTP discharges wastewater to Williams Creek, which is located in the Rappahannock River Basin.
2. Dahlgren WWTP has a long history of upgrades to bring its primary treatment method from one of aeration to one of biological removal. The Dahlgren Facility has also undergone changes in its capacity. In a constant state of change, the Dahlgren facility has experienced numerous violations of ammonia and phosphorous effluent limits. Consent Orders and Amended Consent Orders were issued for the Dahlgren WWTP on May, 15, 1995, June 30, 1997, January 22, 1999, September 20, 2000, and October 8, 2002. As of April 2006, the

Dahlgren Facility fundamentally completed its final upgrade to 1.0 million gallons per day (MGD), and the last enforcement action, the Amended Consent Order issued in 2002, may be cancelled by DEQ after KGCSA's request for a Certificate to Operate (CTO) and DEQ's issuance of the CTO.

3. The Board has evidence to indicate that the KGCSA violated Va. Code § 62.1-44.5, 9 VAC 25-31-50, and Part I.A.1. of the Dahlgren Permit. The violations are referenced in the following items, including Warning Letters (WLs) and Notices of Violation (NOVs):
  - WL No. W2005-07-N-1002, dated July 6, 2005, citing a violation of the Dahlgren Permit in December 2004 and May 2005; exceedence of the weekly concentration average maximum limit for Total Kjeldahl Nitrogen (TKN) in both months.
  - WL No. W2005-09-N-1005, dated September 12, 2005, citing violations of the Dahlgren Permit in July 2005, including: exceedence of the weekly concentration average maximum limit for TKN and exceedence of the monthly concentration average limit for TKN.
  - NOV No. W2005-10-N-0001, dated October 12, 2005, citing violations of the Dahlgren Permit in August 2005, including: exceedence of the weekly concentration average maximum limit for TKN, exceedence of the monthly concentration average limit for TKN, and exceedence of the 7-day chronic toxicity limit to *Pimephales Promelas*.
  - NOV No. W2005-11-N-0003, dated November 10, 2005, citing violations of the Dahlgren Permit in September 2005, including: exceedence of the weekly concentration average maximum limit for TKN, exceedence of the monthly concentration average limit for TKN, exceedence of the monthly quantity average limit for TKN, exceedence of the weekly quantity average maximum limit for TKN, and exceedence of the monthly concentration average limit for total phosphorous.
  - NOV No. W2005-12-N-0001, dated December 12, 2005, citing violations of the Dahlgren Permit in October 2005, including: exceedence of the weekly concentration average maximum limit for TKN, exceedence of the monthly concentration average limit for TKN, exceedence of the monthly quantity average limit for TKN, and exceedence of the weekly quantity average maximum limit for TKN.
  - NOV No. W2006-03-N-0002, dated March 14, 2006, citing a violation of the Dahlgren Permit in December 2005 and January 2006; exceedence of the weekly concentration average maximum limit for TKN.
4. In a letter to DEQ dated October 21, 2005, KGCSA detailed that the exceedence of the 7-day chronic toxicity limit to *Pimephales Promelas* was due to an aeration problem in the

oxidation ditch caused by the plant upgrades which led to very high ammonia concentrations. KGCSA had not had any problems with toxicity in the past.

5. KGCSA addressed the exceedence of total phosphorus in a letter to DEQ dated October 7, 2005, noting that it occurred because the rotor was not functional at one point, which affected the mixing in the oxidation ditch.
6. The numerous TKN problems were the result of shifting treatment abilities during the upgrade of the plant from 0.5 MGD to 1.0 MGD. The cause was again, the long-lasting problem of aeration in the oxidation ditch. KGCSA has experienced numerous problems with rotors that have been ineffective in operating the aeration disc. The two shafts had been repaired at various times, and the oxidation ditches were not adequately aerated during repairs, resulting in elevated TKN levels. DEQ believes that the facility is and has been capable of meeting TKN limits.

#### Oakland Park WWTP

7. Pursuant to the Oakland Park Permit, the Oakland Park WWTP discharges wastewater to an unnamed tributary of Muddy Creek, which is located in the Rappahannock River Basin.
8. The Board has evidence to indicate that the KGCSA violated Va. Code §62.1-44.5, 9 VAC 25-31-50, and Parts I.A.1.a. and I.C.1.b. of the Oakland Park Permit. The violations are referenced in the following items, including WLs and NOVs:
  - WL No. W2005-03-N-1013, dated March 4, 2005, citing violations of the Oakland Park Permit, including: exceedence of the weekly concentration average maximum limit for TKN, exceedence of the monthly concentration average limit for TKN, and failure to submit the annual progress report regarding final copper limitations due January 10, 2005.
  - The March 2005 exceedence of the monthly concentration average limit for Total Suspended Solids (TSS).
  - WL No. W2005-04-N-1019, dated April 13, 2005, citing a violation of the Oakland Park Permit; failure to submit the annual progress report regarding final copper limitations due January 10, 2005.
  - NOV No. W2005-05-N-0014, dated May 16, 2005, citing a violation of the Oakland Park Permit; failure to submit the annual progress report regarding final copper limitations due January 10, 2005.
  - NOV No. W2005-06-N-0011, dated June 10, 2005, citing a violation of the Oakland Park Permit; failure to submit the annual progress report regarding final copper limitations due January 10, 2005.
  - NOV No. W2005-07-N-0006, dated July 6, 2005, citing violations of the Oakland Park Permit, including: exceedence of the weekly concentration average maximum limit for

TKN, exceedence of the monthly concentration average limit for TKN, exceedence of the monthly quantity average limit for TKN, and failure to submit the annual progress report regarding final copper limitations due January 10, 2005.

- The July 2005, August 2005, December 2005, January 2006, February 2006, March 2006, April 2006, May 2006, and June 2006 exceedence of average daily flow permitted by the CTO.
  - NOV No. W2005-08-N-0006, dated August 5, 2005, citing violations of the Oakland Park Permit, including: exceedence of the weekly concentration average maximum limit for TKN, exceedence of the monthly concentration average limit for TKN, exceedence of the monthly quantity average limit for TKN, exceedence of the maximum weekly quantity average limit for TKN, and failure to submit the annual progress report regarding final copper limitations due January 10, 2005.
  - NOV No. W2005-09-N-0003, dated September 12, 2005, citing violations of the Oakland Park Permit, including exceedence of the monthly concentration average limit for TKN, exceedence of the weekly concentration average maximum limit for TKN, exceedence of the monthly quantity average limit for TKN, and exceedence of the maximum weekly quantity average limit for TKN.
  - The August 2005 submittal of an incomplete Discharge Monitoring Report (DMR) and incomplete/incorrect sampling procedure.
9. Although not captured in a WL or NOV, the March 2005 DMR reported an exceedence of TSS. The TSS exceedence was addressed in the letter accompanying the March 2005 DMR, and was determined to be a one-time occurrence due to a high flow and high mixed liquor suspended solids (MLSS) concentration in the aeration tank.
10. The Oakland Park Permit requires KGCSA to submit an annual progress report regarding final copper limitations. The third annual report was due January 10, 2005. DEQ did not receive an annual report from KGCSA until July 11, 2005, which was dated July 8, 2005.
11. In a letter to DEQ NVRO dated July 8, 2005 and received on July 11, 2005, KGCSA explained that both aeration blowers at the Oakland Park WWTP burned up in May and June 2005, causing periods when aeration in the tank was reduced. Likewise, a starter motor was defective, again causing decreased aeration in the tank. These mechanical problems caused decreased dissolved oxygen (DO) levels, and increased MLSS, which led to the elevated TKN levels. Both blowers and the starter motor have been replaced.
12. DEQ NVRO staff met with representatives of KGCSA on July 19, 2005, for a site inspection and to discuss KGCSA's approach to meeting current and future Oakland Park Permit effluent limits. DEQ explained that when the Oakland Park Permit is modified or reissued, nitrogen and phosphorus limits will become more restrictive, and the Oakland Park WWTP will likely need to be upgraded to meet these new limits.



Purkins Corner WWTP

13. Pursuant to the Purkins Corner Permit, the Purkins Corner WWTP discharges wastewater to Pine Hill Creek, which is located in the Potomac River Basin.
14. The Board has evidence to indicate that the KGCSA violated Va. Code § 62.1-44.5, 9 VAC 25-31-50, and Parts I.A.1.a. and I.C.1.b. of the Purkins Corner Permit. The violations are referenced in the following items, including WLs and Notices of Violation NOVs":
  - WL No. W2004-11-N-1002, dated November 4, 2004, citing violations of the Purkins Corner Permit, including: exceedence of the monthly concentration average limit for Total Phosphorous and exceedence of the monthly quantity average limit for Total Phosphorous.
  - WL No. W2005-03-N-1011, dated March 4, 2005, citing violations of the Purkins Corner Permit, including failure to report a value for Total Recoverable Selenium, and failure to submit the annual progress report regarding final metal limitations due January 10, 2005.
  - WL No. W2005-04-N-1017, dated April 13, 2005, citing violations of the Purkins Corner Permit, including exceedence of the monthly concentration average limit for TKN, exceedence of the weekly concentration average maximum limit for TKN, and failure to submit the annual progress report regarding final metal limitations due January 10, 2005.
  - NOV No. W2005-06-N-0013, dated May 16, 2005, citing a violation of the Purkins Corner Permit; failure to submit the annual progress report regarding final metal limitations due January 10, 2005.
  - NOV No. W2005-06-N-0010, dated June 10, 2005, citing violations of the Purkins Corner Permit, including exceedence of the weekly concentration average maximum limit for TKN, and failure to submit the annual progress report regarding final metal limitations due January 10, 2005.
  - NOV No. W2005-07-N-0009, dated July 6, 2005, citing a violation of the Purkins Corner Permit; failure to submit the annual progress report regarding final metal limitations due January 10, 2005.
  - NOV No. W2005-08-N-0005, dated August 5, 2005, citing a violation of the Purkins Corner Permit; failure to submit the annual progress report regarding final metal limitations due January 10, 2005.
  - The September 2005 typographical error on the monthly Discharge Monitoring Report.
  - The January 2006 exceedences of the weekly quantity average limit for TSS, the weekly quantity maximum limit for TSS, the weekly concentration average limit for TSS, the

- weekly concentration maximum for TSS, and the weekly concentration maximum limit for TKN.
- NOV No. W2006-04-N-1004, dated April 7, 2006, citing violations of the VPDES Permit, including exceedence of the weekly concentration average for TSS and exceedence of the weekly concentration maximum for TSS.
15. The Purkins Corner Permit requires KGCSA to submit an annual progress report regarding final metal limitations. The third annual report was due January 10, 2005. DEQ did not receive an annual report from KGCSA until July 11, 2005, which was dated July 8, 2005.
  16. In a letter to DEQ dated July 8, 2005 and received on July 11, 2005, KGCSA explained that selenium failed to be tested in January 2005 because of operator error, and that samples for metals had been taken twice since this time, and no further problems have been noted.
  17. In the July 8, 2005 letter, KGCSA stated that the phosphorous exceedences in September 2004 were due to a malfunctioning alum feed pump that was replaced.
  18. The July 8, 2005 letter explained that low DO concentration and high MLSS caused the TKN exceedences in February 2005. No problems were seen in May and June 2005, as KGCSA increased DO in the aeration tank and lowered MLSS by wasting to the digester.
  19. The TSS exceedences were addressed by KGCSA in the DMR letter dated March 7, 2006 and received on March 9, 2006. KGCSA believed that the TSS exceedences were due to high DO levels in the aeration basin, along with low MLSS and young sludge. The MLSS was not settling adequately in the clarifier and the fine pin flock was carried through the sand filter and the remainder of the plant. KGCSA made adjustments to the aeration basin to decrease the DO level and raised the MLSS concentration for better settling in the clarifiers to decrease the amount of TSS.
  20. DEQ NVRO staff met with representatives of KGCSA on July 19, 2005, for a site inspection and to discuss KGCSA's approach to meeting current and future Purkins Corner Permit effluent limits. DEQ explained that when the Purkins Corner Permit is modified or reissued, nitrogen and phosphorus limits will become more restrictive, and the Purkins Corner WWTP will likely need to be upgraded to meet these new limits.

#### **SECTION D: Agreement and Order**

By virtue of the authority granted it pursuant to Va. Code § 62.1-44.15 and upon consideration of Va. Code § 10.1-1186.2, the Board orders KGCSA, and KGCSA agrees, to perform the actions described below and in Appendices A and B of this Order. In addition, the Board orders KGCSA, and KGCSA voluntarily agrees, to pay a civil charge of \$15,400 in settlement of the violations cited in this Order.

1. KGCSA shall pay \$150 of the civil charge within 30 days of the effective date of this Order. Payment shall be made by check, certified check, money order, or cashier's check payable to the "Treasurer of Virginia," delivered to:

Receipts Control  
Department of Environmental Quality  
Post Office Box 10150  
Richmond, VA 23240

The payment shall include KGCSA's Federal ID number.

2. KGCSA's completion of the Supplemental Environmental Project (SEP) described in Appendix B of this Order shall satisfy \$15,250 of the civil charge.
3. The net cost of the SEP to KGCSA shall not be less than the amount set forth in Paragraph D.2. If it is, KGCSA shall pay the remaining amount in accordance with Paragraph D.1. of this Order, unless otherwise agreed to by the Department. "Net costs" means the costs of the project minus any tax savings, grants, and first-year operation cost reductions or other efficiencies.
4. By signing this Order, KGCSA certifies that it has not commenced performance of the SEP before DEQ identified the violations in this Order and approved the SEP.
5. KGCSA acknowledges that it is solely responsible for completing the SEP project. Any transfer of funds, tasks, or otherwise by KGCSA to a third party, shall not relieve KGCSA of its responsibility to complete the SEP as contained in this Order.
6. In the event it publicizes the SEP or the SEP results, KGCSA shall state in a prominent manner that the project is part of a settlement for an enforcement action.
7. The Department has the sole discretion to:
  - a. Authorize any alternate SEP proposed by the Facility; and
  - b. Determine whether the SEP, or alternate SEP, has been completed in a satisfactory manner.
8. Should the Department determine that KGCSA has not completed the SEP, or alternate SEP, in a satisfactory manner, the Department shall so notify KGCSA in writing. Within 30 days of being notified, KGCSA shall pay the amount specified in Paragraph 2 above as provided in Paragraph 1 above.

#### **SECTION E: Administrative Provisions**

1. The Board may modify, rewrite, or amend the Order with the consent of KGCSA, for good cause shown by KGCSA, or on its own motion after notice and opportunity to be heard.



2. This Order addresses and resolves only those violations specifically identified herein. This Order shall not preclude the Board or the Director from taking any action authorized by law, including but not limited to: (1) taking action regarding any additional, subsequent, or subsequently discovered violations; (2) seeking subsequent remediation of the facility; or (3) taking subsequent action to enforce this Order. This Order shall not preclude appropriate enforcement actions by other federal, state, or local regulatory authorities, whether or not arising out of the same or similar facts, for matters not addressed herein.
3. For purposes of this Order and subsequent actions with respect to this Order, KGCSA admits the jurisdictional allegations, factual findings, and conclusions of law contained herein.
4. KGCSA declares it has received fair and due process under the Administrative Process Act, Va. Code §§ 2.2-4000 *et seq.*, and the State Water Control Law and it waives the right to any hearing or other administrative proceeding authorized or required by law or regulation, and to any judicial review of any issue of fact or law contained herein. Nothing herein shall be construed as a waiver of the right to any administrative proceeding for, or to judicial review of, any action taken by the Board to modify, rewrite, amend, or enforce this Order, or any subsequent deliverables required to be submitted by KGCSA and approved by the Department, without the consent of KGCSA.
5. Failure by KGCSA to comply with any of the terms of this Order shall constitute a violation of an order of the Board. Nothing herein shall act to waive or bar the initiation of appropriate enforcement actions or the issuance of additional orders as appropriate by the Board or the Director as a result of such violations.
6. If any provision of this Order is found to be unenforceable for any reason, the remainder of the Order shall remain in full force and effect.
7. KGCSA shall be responsible for failure to comply with any of the terms and conditions of this Order unless compliance is made impossible by earthquake, flood, other acts of God, war, strike, or other such circumstance. KGCSA must show that such circumstances resulting in noncompliance were beyond its control and not due to a lack of good faith or diligence on its part. KGCSA shall notify the DEQ Regional Director in writing when circumstances are anticipated to occur, are occurring, or have occurred that may delay compliance or cause noncompliance with any requirement of this Order. Such notice shall set forth:
  - a. The reasons for the delay or noncompliance;
  - b. The projected duration of any such delay or noncompliance;
  - c. The measures taken and to be taken to prevent or minimize such delay or noncompliance; and

- d. The timetable by which such measures will be implemented and the date full compliance will be achieved.


Failure to so notify the Director of the Regional Office in writing within 24 hours of learning of any condition above, which KGCSA intends to assert will result in the impossibility of compliance, shall constitute a waiver of any claim of inability to comply with a requirement of this Order.

8. This Order is binding on the parties hereto, their successors in interest, designees and assigns, jointly and severally.
9. Any plans, reports, schedules or specifications attached hereto or submitted by KGCSA and approved by the Department pursuant to this Order are incorporated into this Order. Any non-compliance with such approved documents shall be considered a violation of this Order.
10. This Order shall become effective upon execution by both the Director or his designee and KGCSA. Notwithstanding the foregoing, KGCSA agrees to be bound by any compliance date which precedes the effective date of this Order.
11. This Order shall continue in effect until:
  - a. KGCSA petitions the Director or his designee to terminate the order after it has completed all of the requirements of the Order and the Director or his designee approves the termination of the Order; or
  - b. The Director or Board terminates the Order in his or its sole discretion upon 30 days written notice to KGCSA.

Termination of this Order, or any obligation imposed in this Order, shall not operate to relieve KGCSA from its obligation to comply with any statute, regulation, permit condition, other order, certificate, certification, standard, or requirement otherwise applicable.

12. By its signature below, KGCSA voluntarily agrees to the issuance of this Order.
13. The undersigned representative of KGCSA certifies that he or she is a responsible official authorized to enter into the terms and conditions of this Order and to execute and legally bind KGCSA to this document. Any documents to be submitted pursuant to this Order shall also be submitted by a responsible official of KGCSA.

And it is so ORDERED this 11<sup>th</sup> day of SEPTEMBER, 2006.

  
Jeffery A. Steers, NVRO Regional Director  
Department of Environmental Quality

King George County Service Authority voluntarily agrees to the issuance of this Order.

By: Christopher F. Thomas

Title: General Manager

Date: August 8, 2006


Commonwealth of Virginia

City/County of King George

The foregoing document was signed and acknowledged before me this 8<sup>th</sup> day of

August, 2006, by Christopher F. Thomas, who is  
(name)

General Manager of KGCSA, on behalf of said authority.  
(title)

  
Notary Public

My commission expires: August 31, 2007.

## APPENDIX A

KGCSA shall:

1. Within 120 days of the effective date of this Order, submit to DEQ for review and approval an Optimization Plan (OP) for each of the Dahlgren, Oakland Park, and Purkins Corner WWTPs that includes the following items:
  - Facility Description - Describe existing facility including process description, units in service/available, and condition of treatment components. Provide:
    - Current system status – describe process;
    - Design flows – average daily, hydraulic peak, maximum wet weather;
    - Actual flows – average daily, maximum daily dry weather, maximum daily wet weather;
    - Loading for each system component – hydraulic loading/detention times, organic loading, surface loading (as applicable), solids loading (as applicable);
    - Return and waste system – type/equipment description, number available/in-service, capacity, control, flexibility;
    - Aeration - type/equipment description, units available/in-service, capacity, control;
    - Chemical feed - type/equipment description, purpose, capacity; and
    - Solids handling – description of process, capacity, hydraulic and organic loading, sidestream flow rates, sidestream organics/solids loading;
  - Waste Characterization – describe characteristics of wastewater currently received and discharged by the treatment system. Identify and describe any other characteristics that may potentially impact capability to meet current Permit limits;
  - Operational Performance – describe current operations, control levels, operational strategies, and performance with respect to meeting current Permit limits. Identify any limiting factors that impact plant staff capability to make process adjustments. Include detailed information on current process control monitoring and operational levels;
  - Other Operational Factors – address other operational considerations that have a direct impact on the capability to meet current Permit limits. These include, but are not limited to:
    - The effect of inflow/infiltration;
    - Plant staffing – determine if additional staffing will be required and/or training needed to meet current Permit limits; and
    - Maintenance – identify adjustments that may be needed to ensure Permit compliance;
  - Current System Options
    - Actions taken already – describe and evaluate any process adjustments and/or modifications the plant staff has already taken to meet Permit limits in the current system;

- Evaluation of options – identify all options considered for achieving current Permit limits. For each identified option, provide an evaluation including a description of the required changes, the potential impact on effluent nutrient levels, overall plant performance, and operational costs. Identify any potential limiting factors associated with implementation of the option; and
    - Recommendation(s) – recommend which option(s) should be implemented; and
  - Implementation – describe requirements associated with implementing the recommended option(s). At a minimum, this section should:
    - Recommend necessary process adjustments and provide a suggested schedule for implementation;
    - Provide recommendations for initial process control monitoring (what, where, and how often), and when possible, initial target levels for key process control parameters;
    - Identify implementation costs;
    - Review potential problems and provide recommendations for minimizing their impact on implementation; and
    - Provide additional staff development needs;
2. Implement the OPs within 30 days of DEQ approval. Upon approval, the OPs, including the proposed schedules of implementation shall become a part of and enforceable under the terms of this order.
3. DEQ and King George County Service Authority understand and agree that the Dahlgren WWTP, the Oakland Park WWTP, and the Purkins Corner WWTP are capable of meeting current Permit limits and compliance with current Permit limits is expected. However, if any of the Permits are modified to include nutrient limits that DEQ agrees cannot be met without further upgrades, KGCSA shall operate the WWTPs in a workman-like manner in order to produce the best quality effluent of which the WWTPs are capable, until such time that the appropriate upgrades are implemented.



## APPENDIX B

KGCSA shall perform the SEP identified below in the manner specified in this Appendix.

1. The SEP to be performed by KGCSA is to disconnect the King George County Administration Building, the King George County Courthouse, and the King George County Library from septic systems and connect them to the public sanitary sewer system for conveyance to the Purkins Corner WWTP.
2. The SEP shall be completed according to the following schedule:

<u>TASK</u>	<u>COMPLETE BY</u>
1. Advertise for Engineering Services	July 31, 2006
2. Receive Proposals	August 31, 2006
3. Evaluate Proposals, Interview, and Select Engineer	September 30, 2006
4. Request Certificate to Construct	October 30, 2006
5. Complete Engineering	November 30, 2006
6. Obtain Easements	November 30, 2006
7. Obtain DEQ and VDOT approvals	February 28, 2007
8. Advertise for Construction	March 31, 2007
9. Open Bids; Obtain Board Approval to Execute Contract	April 30, 2007
10. Complete Construction	June 30, 2007
11. Request Certificate to Operate	July 31, 2007

3. KGCSA shall verify its progress and completion of the SEP in writing by providing the Department with progress reports. If the above schedule cannot be met, KGCSA must thoroughly document the reasons for the failure in the next monthly progress report. DEQ may approve modifications to the schedule if necessary. The project progress and completion reports must be submitted to the Department on a monthly basis, due the 10th day of each month.
4. KGCSA shall submit to the Department written verification of the final overall and net cost of the SEP in the form of a certified statement itemizing costs, invoices, and proof of payment, or similar documentation within 45 days of the project completion date. For the purposes of this submittal, net costs can be either the actual final net costs or the projected net costs if such projected net costs statement is accompanied by a CPA certification or certification from the King George County Director of Finance concerning the projected tax savings, grants, or first-year operation cost reductions or other efficiencies.
5. Documents to be submitted to the Department, other than the civil charge payment described in Section D of the Order, shall be sent to:

DEQ Northern Virginia Regional Office  
Enforcement Division  
13901 Crown Court  
Woodbridge, VA 22193